



Faculty of engineering
4th year design and production department
Facility planning

The Layout assignment

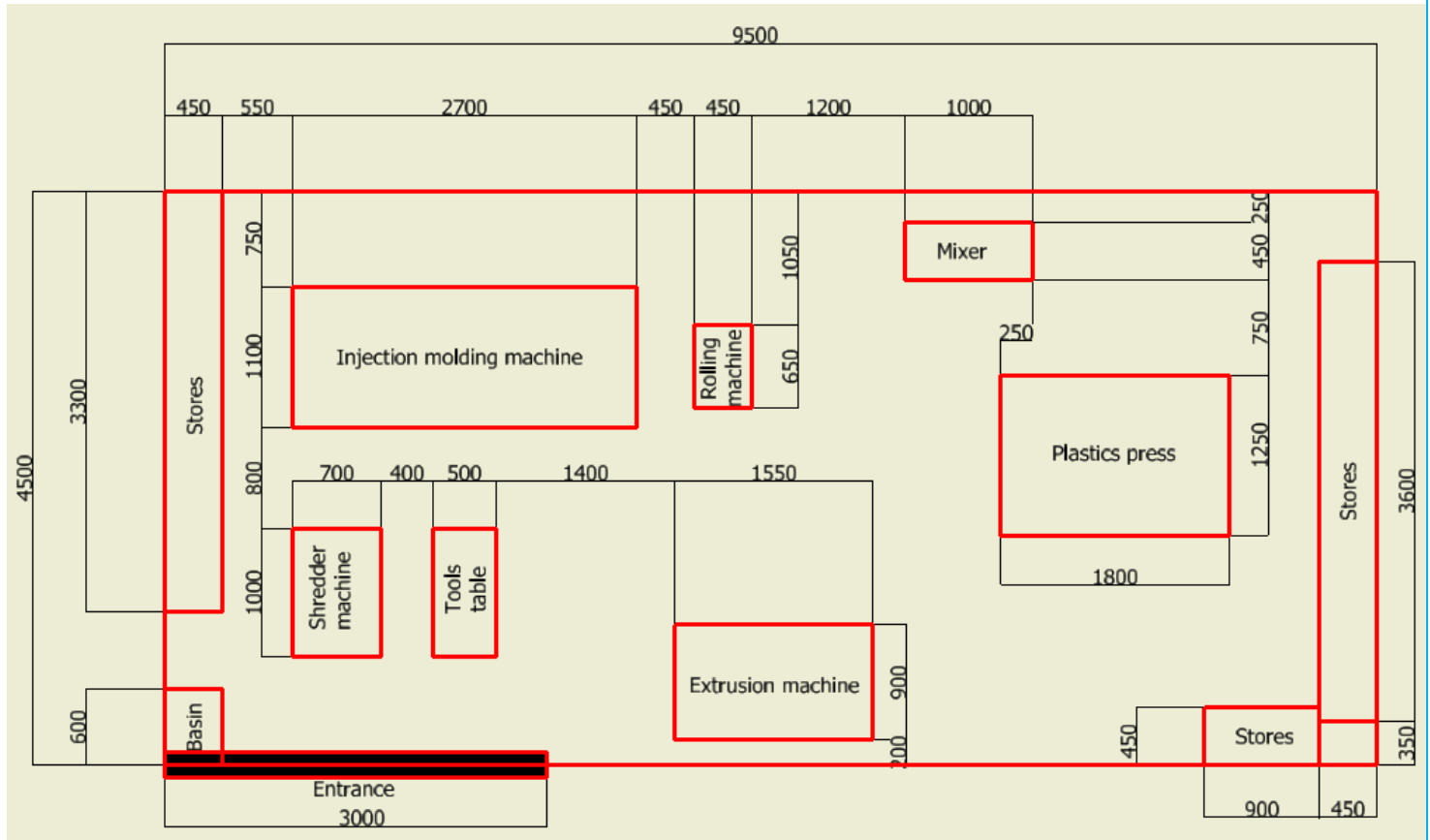
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Date: 3/3/2012

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Layout of forming workshop (internal section), learning workshop:



Comments:

- 1- Shredder machine needs more distance for shreds outlet and operator zone.
- 2- Stores are separately distributed.
- 3- Stores are hidden behind machines, so they are functionless.
- 4- Tools table isn't centered in the workshop.
- 5- Rolling machine needs more distance for inlet.
- 6- Basin hinders.
- 7- For recycling process, process orientation layout is needed: shredder- mixer- extrusion machine, injection molding or plastics press.

Proposed improvements:

- 1- Stores are collected at the near wall.
- 2- Basin is moved to the left corner of workshop.
- 3- Shredder is located in front of mixer in front of extrusion machine and in parallel extrusion machine and plastics press, with 2000 space for operator.